

20010522.qrp v02_n197.qrl.20010522

Date: Tue, 22 May 2001 19:03:06 EDT

From: qrp-l@Lehigh.EDU

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Subject: QRP-L digest 2197

QRP-L Digest 2197

Topics covered in this issue include:

- 1) [98585] Re: Source for Ni-Cads?
by "Mark M." <markem@cervnet.com>
- 2) [98586] Re: OT: Heath IM-28 VTVM Help Needed
by "Phil (VA3UX)" <phil@vaxxine.com>
- 3) [98587] RE: OT: Heath IM-28 VTVM Help Needed
by "Hare,Ed, W1RFI" <w1rfi@arrl.org>
- 4) [98588] Re: Astatic mikes D104 crystal, 10D was dynamic
by Bob Nielsen <nielsen@oz.net>
- 5) [98589] Re: Got my KD1JV wattmeter kit today!!
by "Russ Hines" <wb8zcc@one.net>
- 6) [98590] HUZZAH!!! K1 #717 Lives!!!!
by "T.J. \"SKIP\" Arey N2EI" <tjarey@home.com>
- 7) [98591] WTB: Accessories for Analog Argosy
by Dave Redfearn <n4elm@home.com>
- 8) [98592] FS: Ten-Tec Argo QRP Transceiver & band modules
by Dave Redfearn <n4elm@home.com>
- 9) [98593] Re: HAMCOM 2001
by "Joe Spencer" <kk5na@quadj.com>
- 10) [98594] A Challenge for QRPers
by Bob Kellogg <ae4ic@nr.infi.net>
- 11) [98595] Kids and a Knightlite big at Dayton!
by Bob Kellogg <ae4ic@nr.infi.net>
- 12) [98596] Re: Astatic mikes D104 crystal, 10D was dynamic
by "Dan W. Dooley" <dandooley@pipeline.com>
- 13) [98597] Where's the beef?
by preacher102677@juno.com
- 14) [98598] Surface Mount SA602
by "Gene - NN7CK" <nn7ck@mindspring.com>
- 15) [98599] OT? Family Radio Service
by "Brian.Buydens@usask.ca" <buydens@duke.usask.ca>
- 16) [98600] Re: OT? Family Radio Service
by Mark Dulcey <mark@buttery.org>
- 17) [98601] Icom 736 review
by w6ors@juno.com
- 18) [98602] RE: FS: QRP+
by Bill Lazure <n2tpa@juno.com>
- 19) [98603] Re: OT? Family Radio Service

- by Ray Sills <raysills@1stconnect.com>
- 20) [98604] RTV around electrical components
by Tim ORourke <TORourke@KaiserFT.com>
- 21) [98605] NEQRP SSB Net
by Chuck Ludinsky <cjl@mitre.org>
- 22) [98606] RE:Accessories for Analog Argosy - found filters!
by Dave Redfearn <n4elm@home.com>
- 23) [98607] Re: OT? Family Radio Service
by "Mike Yetsko" <myetsko@insydesw.com>
- 24) [98608] Re: A Challenge for QRPers
by "Lau, Zack, W1VT" <zlau@arrl.org>
- 25) [98609] Re: Another PSK31 question (analog mode)
by John R Kirby <n3aaz-qrp@juno.com>
- 26) [98610] Re: OT? Family Radio Service
by Bruce Muscolino <w6toy@erols.com>
- 27) [98611] RE: OT? Family Radio Service
by "Lofstead, Jerry" <Jerry.Lofstead@itb.mckhboc.com>
- 28) [98612] MI QRP Net
by ed.kwik@delphiauto.com
- 29) [98613] You gotta spare manual, Jose?
by Nils R Young <nilsbull@juno.com>
- 30) [98614] Family Radio Service & "Irradiation" of Passive Antennae
by "Kanalz, Karl" <Karl.Kanalz@allegiancetelecom.com>
- 31) [98615] 10,000 QRP New Rigs Sold!!! Be Friendly, Have Fun & the TT2
by "Doug Hendricks" <ki6ds@dph.dpol.net>
- 32) [98616] Harbor Freight Sheet Metal Fabrication Kit
by "Casey L. Ray" <clray@usc.edu>
- 33) [98617] Re: 10,000 QRP New Rigs Sold!!! Be Friendly, Have Fun & the TT2
by "James Parsons" <res075cz@gte.net>
- 34) [98618] Re: 10,000 QRP New Rigs Sold!!! Be Friendly, Have Fun & the TT2
by "Bill Jones" <kd7s@psnw.com>
- 35) [98619] Re: OT? Family Radio Service
by Bruce Muscolino <w6toy@erols.com>
- 36) [98620] K2: Firmware 1.6 upgrade chip F/S
by agtaylor@llnl.gov
- 37) [98621] Re: Family Radio Service & "Irradiation" of Passive Antennae
by Bruce Muscolino <w6toy@erols.com>
- 38) [98622] For W8EK bad email address:
by "Gene Sailsbury" <gsailsbury@mobil1.net>
- 39) [98623] Re: PSK with DSB?
by "laura halliday" <marsgal42@hotmail.com>
- 40) [98624] RE: Family Radio Service & "Irradiation" of Passive Antennae
by "Lofstead, Jerry" <Jerry.Lofstead@itb.mckhboc.com>
- 41) [98625] OT: Xtal filter/VHF scanner/image reception
by "Brad Hernlem" <alihernlem@hotmail.com>
- 42) [98626] Re: 10,000 QRP New Rigs Sold!!! Be Friendly, Have Fun & the TT2
by "Mark J. Dulcey" <mark@buttery.org>
- 43) [98627] Re: OT: Xtal filter/VHF scanner/image reception

- by Bruce Muscolino <w6toy@erols.com>
- 44) [98628] Re: OT: Xtal filter/VHF scanner/image reception
by "Brad Hernlem" <alihernlem@hotmail.com>
- 45) [98629] New Rig RX Comparison Data
by Eric Swartz WA6HHQ - Elecraft <eric@elecraft.com>
- 46) [98630] New Rig RX Comparison Data - Correction
by Eric Swartz WA6HHQ - Elecraft <eric@elecraft.com>
- 47) [98631] KC keyer info??
by "T.W." <wb5qyt@abq.com>
- 48) [98632] RE: OT: Xtal filter/VHF scanner/image reception
by "Lofstead, Jerry" <Jerry.Lofstead@itb.mckhboc.com>
- 49) [98633] Re: [Elecraft] New Rig RX Comparison Data
by Phil Wheeler <w7ox@earthlink.net>
- 50) [98634] Re: [Elecraft] New Rig RX Comparison Data
by Eric Swartz WA6HHQ - Elecraft <eric@elecraft.com>
- 51) [98635] Re: [Elecraft] New Rig RX Comparison Data
by Eric Swartz WA6HHQ - Elecraft <eric@elecraft.com>
- 52) [98636] FDIM Paper and Pictures - Tools & Test Equipment
by "Bill Kelsey - N8ET - Kanga US" <kanga@bright.net>
- 53) [98637] New virus today
by "Jim" <sunwatt@starband.net>
- 54) [98638] OT: New / Improved UHF antenna design
by "Faith III, Don C" <FaithD@mail01.dnr.state.wi.us>
- 55) [98639] Epiphyte 3 Filter FOUND?
by Mike Pupeza <mpupeza@altavista.com>
- 56) [98640] Re: New Rig RX Comparison Data - Correction
by "Karl F. Larsen" <k5di@zianet.com>
- 57) [98641] Re: OT? Family Radio Service
by Larry Cahoon <lejek@erols.com>
- 58) [98642] Re: 10,000 QRP New Rigs Sold!!! Be Friendly, Have Fun & the TT2
by "Howard Kraus" <K2UD@adelphia.net>
- 59) [98643] FS St. Louis Vertical
by W8IRQ@aol.com
- 60) [98644] crystals
by "Delbert Long" <ad6we@hotmail.com>
- 61) [98645] Warbler to 30 meters?
by "Mitchell, Harvey" <Harvey.Mitchell@enron.com>
- 62) [98646] Schematic Wanted
by Tom & Roxanne <zikot@erie.net>
- 63) [98647] Re: Another PSK31 question (analog mode)
by "laura halliday" <marsgal42@hotmail.com>
- 64) [98648] Ft. Tuthill
by jaywa5whn@juno.com
- 65) [98649] JUPITER Re: New Rig RX Comparison Data - Correction
by "Jay Bromley" <w5jay@alltel.net>
-

Date: Mon, 21 May 2001 17:06:40 -0700
From: "Mark M." <markem@cervnet.com>
To: qrp-1@lehigh.edu
Subject: [98585] Re: Source for Ni-Cads?
Message-ID: <3.0.6.32.20010521170640.007ed520@pop3.norton.antivirus>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Thanks to all who responded. I have lots of sources to check out now.

73... Mark AA7TA

Date: Mon, 21 May 2001 20:49:09 -0400
From: "Phil (VA3UX)" <phil@vaxxine.com>
To: dbeach@blvl.igs.net
Cc: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [98586] Re: OT: Heath IM-28 VTVM Help Needed
Message-ID: <5.0.2.1.0.20010521204650.009f59b0@vaxxine.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

At 12:47 PM 5/21/2001 -0400, David Beach wrote:

>I just bought (\$5!) an old Heath IM-28 VTVM at a school 'yard sale'.

>Couldn't resist -

>

>Is there a list or website of Heath collectors where I might get technical
>assistance, a copy of the manual, etc.? Anybody had any experience with one
>of these old Heath VTVMs? Is it worth fixing up?

Start by looking at these web sites David :

<http://members.aol.com/wwheco1/>

<http://www.heathkit-museum.com/hktestnav.html>

<http://members.aol.com/wwheco1/index.htm#troubleshooting>

<http://members.aol.com/w3dx/index.html#Links>

Phil

>--

>David Beach

>VE3STI

Date: Mon, 21 May 2001 20:57:15 -0400
From: "Hare,Ed, W1RFI" <w1rfi@arrl.org>
To: "'phil@vaxxine.com'" <phil@vaxxine.com>, Low Power Amateur Radio Discussion
<qrp-1@Lehigh.EDU>
Subject: [98587] RE: OT: Heath IM-28 VTVM Help Needed
Message-ID: <125490A005E3D3118C9C00805FC743CC023B2DFB@KAHLESS>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

Some info on general troubleshooting techniques is found at:

<http://www.arrl.org/tis/info/pdf/9511087.pdf>

73,
Ed Hare, W1RFI
ARRL Lab
225 Main St
Newington, CT 06111
Tel: 860-673-7869
Internet: w1rfi@arrl.org
Web: <http://www.arrl.org/tis>

>Is there a list or website of Heath collectors where I might get technical
>assistance, a copy of the manual, etc.? Anybody had any experience with one
>of these old Heath VTVMs? Is it worth fixing up?
>

Date: Mon, 21 May 2001 18:15:31 -0700
From: Bob Nielsen <nielsen@oz.net>
To: qrp-1@lehigh.edu
Subject: [98588] Re: Astatic mikes D104 crystal, 10D was dynamic
Message-ID: <20010521181531.C7597@oz.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Disposition: inline

On Mon, May 21, 2001 at 04:07:01PM -0500, Stuart Rohre wrote:

> Hi,
> The title says it all, there was a bullet shaped dynamic mike made by them

> to fit the 104 switched stand. It also had a commercial number 10ENZ, as I
> recall, which is the one I have. I have the original unamplified crystal
> D104 and it is a great mike!

Back in the late 1950's I dropped my D104 and it no longer worked. I
mailed it to Astatic asking them to contact me with the charges and I
would send payment for replacing the crystal element. A week later, I
received the mike back, postage-paid and repaired at no charge. Now
that was service!

--

Bob Nielsen, N7XY
Bainbridge Island, WA
IOTA NA-065, USI WA-028S

nielsen@oz.net
<http://www.oz.net/~nielsen>

Date: Mon, 21 May 2001 21:42:33 -0400
From: "Russ Hines" <wb8zcc@one.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [98589] Re: Got my KD1JV wattmeter kit today!!
Message-ID: <00ac01c0e260\$79361860\$520e17d8@rbhines>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 8BIT

Mine arrived today also. This is cool.

73,
Russ Hines
WB8ZCC
wb8zcc@one.net
wb8zcc@arrl.net

----- Original Message -----

From: Ed Tanton <n4xy@att.net>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Sent: Monday, May 21, 2001 3:16 PM
Subject: Got my KD1JV wattmeter kit today!!

> The title says it all. Am going to "fast-track" it to the top of my long
> list of projects 'cuz so many of 'em need to USE a good QRP wattmeter.
>
> 73 Ed Tanton N4XY <n4xy@arrl.net>
>
> Ed Tanton N4XY

> 189 Pioneer Trail
> Marietta, GA 30068-3466
>
> website: http://www.n4xy.com
>
> LM: ARRL QCWA AMSAT & INDEXA;
> SEDXC NCDXA GACW QRP-ARCI
> OK-QRP QRP-L #758 K2 (FT) #00057
>
> R-390: Motorola SN: 374;
> R-390-A: Capehart SN: 2241
> 51S-1 WE SN: 4389
> HRO-50; HRO-60; & HRO-500
> SP600-VLF SP600-JX-17 SP-600-JX-21
>
>
>

Date: Mon, 21 May 2001 21:43:59 -0400
From: "T.J. \"SKIP\" Arey N2EI" <tjarey@home.com>
To: elecraft@qth.net, gary@elecraft.com, mmorrow@companet.net, Andrew Madsen
<andrew@utahdesign.com>, Andy Anderson <RES0AQDS@VERIZON.NET>,
glennmaclean@home.com, "njqrp@njqrp.org" <njqrp@njqrp.org>, "qrp-
l@Lehigh.EDU" <qrp-l@Lehigh.EDU>, Bill Cole <billc@dandy.net>,
Subject: [98590] HUZZAH!!! K1 #717 Lives!!!!
Message-ID: <3B09C45F.36A921A5@home.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Thanks to the efforts of Gary and Elecraft list members Glen, Mike, Andy
and the other Andy...I got my mind wrapped around the alignment
procedure and got 20 meters peaked and moved on to final assembly.

At 0114 this evening on 7042 Mike WA2VLA answered my CQ and K1 #717 put
its first one in the log. Of course this was done with Big Brother K2
#945 looking on.

This little rig threw me a few curves, but, as always the Elecraft List
and Staff came through.

I think I'll run a few more contacts and then get back down in the
basement to get the Noise Blanker and ATU installed. Some fun, hey
kids???

--

+++++

T.J. "SKIP" AREY N2EI

K2 #945 K1 #717 (ON THE AIR!!!)

Specialization is for insects! LAZARUS LONG

Date: Mon, 21 May 2001 21:27:42 -0500
From: Dave Redfearn <n4elm@home.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>, Ten Tec mailing list
<tentec@contesting.com>
Subject: [98591] WTB: Accessories for Analog Argosy
Message-ID: <3B09CE9E.3ED685A1@home.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Looking for these accessories for an Analog Argosy:

220 - 2.4 Khz SSB crystal filter
217 - 500 Hz CW crystal filter
224 - audio CW filter

73 - Dave

=====
Dave Redfearn, ARS N4ELM, McKinney, TX
Email: n4elm@NOJUNKhome.com (to reply, remove NOJUNK)
QRL? de N4ELM/qrp

Date: Mon, 21 May 2001 21:34:05 -0500
From: Dave Redfearn <n4elm@home.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>, Ten Tec mailing list
<tentec@contesting.com>
Subject: [98592] FS: Ten-Tec Argo QRP Transceiver & band modules
Message-ID: <3B09D01D.EE1AB2B3@home.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

For Sale:

Ten-Tec Argo
5 watt QRP Transceiver with:

Noise Blanker (installed)
Hand Mike (Ten-Tec)
DC Cord
Manual

band Modules for: 80, 40, 30, 20, 17, 15, & 10 Meters

Everything is in very good condition and works properly.

Asking \$500.00 OBO + shipping/insurance from TX.

73 - Dave

=====
Dave Redfearn, ARS N4ELM, McKinney, TX
Email: n4elm@NOJUNKhome.com (to reply, remove NOJUNK)
QRL? de N4ELM/qrp

Date: Mon, 21 May 2001 21:56:02 -0500
From: "Joe Spencer" <kk5na@quadj.com>
To: <joseph.spencer@tccd.net>, "Low Power Amateur Radio Discussion" <qrp-
l@lehigh.edu>
Subject: [98593] Re: HAMCOM 2001
Message-ID: <012c01c0e26a\$bd142a40\$6501a8c0@c1552060c>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Well folks,
Dayton is over and now there is only about 3 weeks until HAMCOM 2001 in
Arlington Texas!

June 8,9,10 2001.

QRP events, tables, meal, building contest, drawing,etc,etc.

The building contest and QRP get-together will be Saturday evening at the
Courtyard Marriott... same as last two years.

The Subject for the building contest is again..Station accessory... that is

anything that helps in the operation of a QRP station (tuner, power source, etc...)

Here is the webpage to watch for details: www.quadj.com/hamcom2001.htm

Pre-registration has started and time is running out if you want a badge...
to get on the list and to get into the drawing....email me
at: kk5na@quadj.com

72/3 for now

Joe KK5NA

Date: Mon, 21 May 2001 22:53:35 -0400
From: Bob Kellogg <ae4ic@nr.infi.net>
To: KLQRP Reflector <klqrp@applegate.org>, Low Power Amateur Radio Discussion
<qrp-1@Lehigh.EDU>
Subject: [98594] A Challenge for QRPers
Message-ID: <3B09D4AF.1A4E329B@nr.infi.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Guys,

I have to report that one of the speakers at FDIW did not stick to technical topics. It was Peter Zenker, DL2FI, the aptly named "Bad Boy", who was inducted into the Hall of Fame this year.
(congratulations, Peter!)

Peter gave us an excellent talk, challenging the nearly two hundred attendees in several ways. He suggested that QRP should mean much more than operating with low power. He suggested that QRPers have, within our grasp, the opportunity to make a meaningful difference in the world as we know it.

Our ranks are growing rapidly because we tend to do some good things. We tend to welcome others without worrying whether or not they have "paid their dues". We accept that there can be life in addition to CW, such as SSB, ATV, Digital modes, etc., etc. Furthermore, we've found that the internet is not our enemy, but can help us exchange ideas and useful information. Generally, we like to build and like to

exchange ideas, being helpful to one another. (The above is just a few of the things Pete mentioned)

OTOH, some of us old guys tend to talk about the old days when Hams were doing most of the leading edge electronic development work. Maybe that isn't happening as much now because the leading edge has changed directions slightly, but we haven't.

But, suppose that instead of doing the good things casually, and part time, we made a concerted effort to be open and helpful all the time, all of us? Suppose we sought out and embraced new technology, and found exciting ways to use it? New people, with only the slightest interest in our hobby, would be drawn to us like bears to honey!

Peter's talk was very provocative and I'm sorry I can't put the power to it that he did. The German club has over 2000 members now, and it's largely because they are trying to take the approach Peter suggests.

Let's each of us make it a personal goal to keep our minds open and do more of those good things that we know how to do.

--

73,
Bob Kellogg, AE4IC, Greensboro, NC
Prolobly, not nececelery. - Benny Hill

Date: Mon, 21 May 2001 22:46:01 -0400
From: Bob Kellogg <ae4ic@nr.infi.net>
To: KLQRP Reflector <klqrp@applegate.org>, Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [98595] Kids and a Knightlite big at Dayton!
Message-ID: <3B09D2E9.A323894C@nr.infi.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Guys,

I'm very proud to report that Knightlite Gary O'Neil, N3G0, captured the school project honors at Dayton!

Gary worked with 26 students at a Clayton, NC middle school to build Regenerative receivers. It was a great success, with all 26 receivers working at the end. The project was funded by IBM.

The schematic for the project, the "Vegetarian Ginny", was designed by another Knightlite, Ray Ring, W4KIA. The name comes from the fact that it will run from "potato power". (two potatoes with zinc and copper electrodes in series) Gary massaged the circuit a little, and developed an interesting technique for building the kits.

There was a lot of interest in the project at Dayton. It seems that many QRPers are willing to work with kids and are looking for viable ways to do it.

I promised everyone that the full details of the project will appear on the Knightlites Web Site, www.knightlites.org. It may take a while for all of the information to appear there, since most of the involved Knightlites are very busy with several other projects right now, but it **will** be there as soon as we can assemble the information.

Speaking of Kids, one evening there was a young man about 10 or 11 years old that started playing with our displayed Keylite. He was obviously computer literate, and got a big charge out of typing, then watching his words appear on the LCD and disappear as their Morse code equivalent sounded through the speaker. He kept coming back and fooling with it. He was our best advertisement for a while!

BTW, after arriving from Dayton this evening I discovered that in spite of my best intentions, I didn't take enough pictures of the activities at the Ramada Inn. Does anyone have a picture of the Knightlites table that they can send for our Web Page?

--

73,

Bob Kellogg, AE4IC, Greensboro, NC
Prolobly, not nececelery. - Benny Hill

Date: Mon, 21 May 2001 21:48:08 -0500
From: "Dan W. Dooley" <dandooley@pipeline.com>
To: <rohre@arlut.utexas.edu>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [98596] Re: Astatic mikes D104 crystal, 10D was dynamic
Message-ID: <010101c0e26a\$e47ecd60\$0300a8c0@bergenbrunswick.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="Windows-1252"
Content-Transfer-Encoding: 7bit

I've got one too. I've always gotten very good audio reports with it used on my Drake T-4XB.

Dan W. Dooley WB5TKA Bedford, Texas EM12ku
e-mail to: dandooley@pipeline.com
Web site: <http://www.qsl.net/wb9tka>
SOC #198, FPQRP # -104
May Goddes love blest ye alle
"Ancient Pistol, I do partly understand your meaning."

----- Original Message -----

From: "Stuart Rohre" <rohre@arlut.utexas.edu>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Monday, May 21, 2001 4:07 PM
Subject: Astatic mikes D104 crystal, 10D was dynamic

> I have the original unamplified crystal
> D104 and it is a great mike!
>

Date: Mon, 21 May 2001 23:08:12 -0400
From: preacher102677@juno.com
To: qrp-l@Lehigh.EDU
Subject: [98597] Where's the beef?
Message-ID: <20010521.230814.-151353.7.preacher102677@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

I mean, where's that nifty page that lets you plug in frequencies, and shows you where you can find openings for that bit o' bandwidth?

LIC,
G. Brandon Hoyt --"Known far and Wide as the Great Pumpkin."
Photographer, Philosopher, Preacher, Pirate, Poet.
DE KG4GVL Clear.

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<http://dl.www.juno.com/get/tagj>.

Date: Mon, 21 May 2001 23:52:23 -0400
From: "Gene - NN7CK" <nn7ck@mindspring.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Cc: <nn7ck@mindspring.com>
Subject: [98598] Surface Mount SA602
Message-ID: <019401c0e272\$9d2e9a00\$1c58313f@js>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Does anyone know of a source for the surface mount version of the SA602 (SA602AD) other than Allied with its \$25 minimum order?

Second option - Anyone out there have any interest in acquiring these or any other parts from Allied? If there is enough interest I'd put together a group buy.

Date: Mon, 21 May 2001 22:15:53 -0600 (CST)
From: "Brian.Buydens@usask.ca" <buydens@duke.usask.ca>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [98599] OT? Family Radio Service
Message-ID: <Pine.OSF.4.31.0105212211040.17702-100000@duke.usask.ca>
MIME-version: 1.0
Content-type: TEXT/PLAIN; charset=US-ASCII

I am not sure if this is off topic or not. Technically it is not ham radio but the power rating is right.

Is it possible? easy? legal? etc. to put a directional antenna on an FRS radio? I was thinking it would be a way for kids to have a fox-hunt, find out about radio location without needing a ham license. Perhaps they might get a taste for ham...

Brian Buydens
Veterinary Electronic Data Specialist
Computing Services, University of Saskatchewan
email: Brian.Buydens@usask.ca
<http://duke.usask.ca/~buydens>

VE5RDV

Did you hear about the two antennas that got married? The wedding was a disaster but the reception was great!

Date: Tue, 22 May 2001 03:19:59 -0400
From: Mark Dulcey <mark@buttery.org>
To: buydens@duke.usask.ca
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [98600] Re: OT? Family Radio Service
Message-ID: <3B0A131F.F9A1E63@buttery.org>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

"Brian.Buydens@usask.ca" wrote:

>
> I am not sure if this is off topic or not. Technically it is not ham
> radio but the power rating is right.
>
> Is it possible? easy? legal? etc. to put a directional antenna on an
> FRS radio? I was thinking it would be a way for kids to have a fox-hunt,
> find out about radio location without needing a ham license. Perhaps they
> might get a taste for ham...

I've never seen one with a removeable/changeable antenna. Such a connector would make it far too easy to connect a gain antenna or an amplifier, which would allow you to send stronger signals than you are supposed to.

The relevant FCC rule (section 95.194, paragraph c) says this:
"You may not attach any antenna, power amplifier, or other apparatus to an FRS unit that has not been FCC certified as part of that FRS unit. There are no exceptions to this rule and attaching any such apparatus to a FRS unit cancels the FCC certification and voids everyone's authority to operate that unit in the FRS."

Of course, you're in Canada; the rules may be different there.

But I doubt that they are different in any way that matters.

Kids could participate in a search for a ham fox, using HTs or handheld scanning receivers to listen. If you hand them HTs, disable transmit first, if you can, in the rig's menu. That doesn't, alas, allow the kids to play the game by themselves, unless at least one of them has a license.

--

Mark J. Dulcey mark@buttery.org
Visit my house's home page: <http://www.buttery.org/>
Visit my home page: <http://www.buttery.org/mark/>

Date: Mon, 21 May 2001 21:57:04 -1000
From: w6ors@juno.com
To: qrp-1@Lehigh.EDU
Subject: [98601] Icom 736 review
Message-ID: <20010521.215707.-2020391.8.w6ors@juno.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

5-21-01

Gang,

Can anyone tell me where to look for a review of the Icon 736? Have a fellow ham here in Hawaii (WH6CZD) that doesn't have computer access and needs the info. Please reply direct to me at w6ors@juno.com

Thanks es 73/72,

Corky W6ORS

Hilo HI

Pain and suffering are inevitable, but misery is optional.

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<http://dl.www.juno.com/get/tagj>.

Date: Tue, 22 May 2001 05:50:44 -0400
From: Bill Lazure <n2tpa@juno.com>
To: qrp-1@lehigh.edu
Subject: [98602] RE: FS: QRP+
Message-ID: <20010522.055047.-341741.1.n2tpa@juno.com>
MIME-Version: 1.0

Content-Type: text/plain
Content-Transfer-Encoding: 7bit

Judging from the deafening silence I heard when I originally posted my QRP+ for sale, I assume I priced it too high.

What's a reasonable price for a QRP+?

Cosmetically a 9+. Electronically, a 10.

Thanks,

Bill
W2EB

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<http://dl.www.juno.com/get/tagj>.

Date: Tue, 22 May 2001 07:15:42 -0400
From: Ray Sills <raysills@1stconnect.com>
To: QRP list <qrp-l@Lehigh.EDU>
Subject: [98603] Re: OT? Family Radio Service
Message-ID: <B72FC29E.5A46%raysills@1stConnect.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Hi Group:

I've seen ads for units that are designed to use an external Mag-mount antenna. I think the entire electronics is in the base of the antenna, and there's a cable which connects to a hand-held mic. I think the mic houses a battery pack and speaker. Poised on the roof of a vehicle, I bet you would get pretty good range even with 200 mw. I bet you could fashion a corner reflector to hold the mag mount base and get some gain, too.

I have a set of Radio Shack single channel units which I use with non-ham family members when we need to caravan our cars on a trip. DX is about a mile or so. Works FB for that. On a long trip, we even run across other users doing the same thing.

73 de Ray
K2ULR
FN20t1
QRV on FRS ch 1.

Date: Tue, 22 May 2001 07:58:52 -0400
From: Tim O'Rourke <TORourke@KaiserFT.com>
To: "'qrp-1@Lehigh.EDU'" <qrp-1@Lehigh.EDU>
Subject: [98604] RTV around electrical components
Message-ID: <910D8E9955E3D411B3AE00A0C9319CB80C6249@MAIL>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"

We use several RTV compounds on aircraft parts. There are many forms of RTV. The acedid acid curing products are not allowed in our plant! Check Dow Corning's web site: WWW.dowcorning.com/aviation
I found out the hard way on the acedid acid type. I used it on R/C planes for sealing. It would corrode all the connectors and turn the copper wire in wiring harness black throughout it's entire length.
Expensive lesson. I should have known better. I waited until I could not smell the acedid before installing electrical components and it still bit me.

There are other types of no acid RTV other than Aero types but you have to ask.
.73 Tim O'Rourke KG4CHX

Date: Tue, 22 May 2001 08:16:29 -0400
From: Chuck Ludinsky <cjl@mitre.org>
To: qrp-1@lehigh.edu, neqrp@jonal.net
Subject: [98605] NEQRP SSB Net
Message-ID: <3B0A589D.753B7E00@mitre.org>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Ron, N1ZSW, reports that he is home sick this week with strep throat and can't talk. Consequently, he is cancelling the NEQRP SSB NET Tuesday evening. However, Ron invites everyone to come on Tuesday anyway, and join in a SSB round table session. Time is 7:00 PM EDT and meeting frequency is around 7.283 MHz, although QRM may necessitate QSYing to a lower frequency.

72 DE K1CL
Chuck.

Date: Tue, 22 May 2001 07:27:43 -0500
From: Dave Redfearn <n4elm@home.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>, Ten Tec mailing list
<tentec@contesting.com>
Subject: [98606] RE:Accessories for Analog Argosy - found filters!
Message-ID: <3B0A5B3F.1834E24B@home.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

RE: WTB: Accessories for Analog Argosy

Thanks for the response from the list.

I have found a 220 and 217 crystal filter.

Still looking for a 224 audio CW filter for the Argosy.

73 - Dave

=====
Dave Redfearn, ARS N4ELM, McKinney, TX
Email: n4elm@NOJUNKhome.com (to reply, remove NOJUNK)
QRL? de N4ELM/qrp

Date: Tue, 22 May 2001 08:29:10 -0400
From: "Mike Yettsko" <myetsko@insydesw.com>
To: <raysills@1stconnect.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [98607] Re: OT? Family Radio Service
Message-ID: <005101c0e2ba\$d14490e0\$6b01a8c0@INSYDENT>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Radio Shack has that, the 'mobile FRS' setup. Pretty nice. A HAM friend just picked one up for use at his 'camp'. Works pretty well. And it's even 'on sale' right now for \$60. If you've got an FRS jones, it's a neat toy.

And due to FCC rules with regard to the antenna, yes, the entire RF section is in the base of the antenna.

But for the original question, I don't know of any FRS radios that have a signal strength indicator. At least, I don't recall ever having spotted one. I suppose though that you could do the 'doppler' trick for 'time of arrival of signal' with the little switcher, and that would work just fine for FRS. But I think the excitement for the kids will be as much their 'communicating' with each other in the hunt as much as the finding of the fox. In that regard, I'm not quite sure how I'd set up an FRS hunt.

Mike

> Hi Group:
>
> I've seen ads for units that are designed to use an external Mag-mount
> antenna. I think the entire electronics is in the base of the
antenna, and
> there's a cable which connects to a hand-held mic. I think the mic
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non-ham
> family members when we need to caravan our cars on a trip. DX is
about a
> mile or so. Works FB for that. On a long trip, we even run across
other
> users doing the same thing.
>
> 73 de Ray
> K2ULR

Date: Tue, 22 May 2001 08:42:42 -0400
From: "Lau, Zack, W1VT" <zlau@arrl.org>
To: "'qrp-1@Lehigh.EDU'" <qrp-1@Lehigh.EDU>

Subject: [98608] Re: A Challenge for QRPers
Message-ID: <125490A005E3D3118C9C00805FC743CC016B9E73@KAHLESS>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

I still see a need for writing about the basics--like insights into HF antennas and VHF Helical filters. I don't see all that much interest in the bands above 24 GHz if it involves significant machine shop skill and highly sophisticated gear with optimized multiple PLLs to achieve good stability and phase noise.

I'd say that 10 GHz SSB is bleeding edge for most QRPers.
One of the transverters I'm lending is over 10 years old! --Zack W1VT

Date: Tue, 22 May 2001 08:10:11 -0400
From: John R Kirby <n3aaz-qrp@juno.com>
To: qrp-l@Lehigh.EDU
Subject: [98609] Re: Another PSK31 question (analog mode)
Message-ID: <20010522.090100.-218129.0.n3aaz-qrp@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

RE > > > . . . *1* Contrary to popular belief PSK31 is an analog mode
1. . .

>Can you please explain . . .
> I thought that PSK31. . .
>Hellschreiber and (such) . . .
>and CW . . .
. . . >are digital modes.

Yes, I (N3AAZ) said RE . . . *1* above and
from the response to the that statement . . .
let me add . . .

. . . ** from a radio transceiver standpoint **
AND ** PC sound card standpoint ** . . .
PSK31 is an analog mode.

Transmitted CW contains no audio (amplitude, frequency or phase) information.

In CW mode the radio transmitter's RF carrier is keyed ON only to transmit the 'dit' or 'dah' length of time. The only information transmitted in CW mode is 'time' or 'duration' the RF carrier is turned on.

The CW 'audio tone' that is *heard* (by the ear) at the distant station is a function of that distant receiver not your local transmitter.

'Sidetone' is a function of the local radio transceiver.

John
N3AAZ
FM 19 xa

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<http://dl.www.juno.com/get/tagj>.

Date: Tue, 22 May 2001 09:07:47 -0400
From: Bruce Muscolino <w6toy@erols.com>
To: raysills@1stconnect.com
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [98610] Re: OT? Family Radio Service
Message-ID: <3B0A64A3.508E33CA@erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Ray,

It seems to me that the antenna problem could be solved by using a passive antenna. They used to be popular with cellphone users and even hams. An antenna that is resonant will irradiate the signal with no electronics involved. This would probably get around some of the objections.

73

Date: Tue, 22 May 2001 09:19:31 -0400
From: "Lofstead, Jerry" <Jerry.Lofstead@itb.mckhboc.com>
To: "'w6toy@erols.com'" <w6toy@erols.com>, Low Power Amateur Radio Discussion
<qrp-l@Lehigh.EDU>
Subject: [98611] RE: OT? Family Radio Service
Message-ID: <078F21595FA7D411B87B00805FA728E64A47A5@atlexc02ntms.hboc.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

If it irradiates, does it glow in the dark or reradiate the signal?? 8-)

Jerry
W3CDE

-----Original Message-----
From: Bruce Muscolino [mailto:w6toy@erols.com]
Sent: Tuesday, May 22, 2001 9:08 AM
To: Low Power Amateur Radio Discussion
Subject: Re: OT? Family Radio Service

Ray,

It seems to me that the antenna problem could be solved by using a passive antenna. They used to be popular with cellphone users and even hams. An antenna that is resonant will irradiate the signal with no electronics involved. This would probably get around some of the objections.

73

Date: Tue, 22 May 2001 09:51:43 -0400
From: ed.kwik@delphiauto.com
To: qrp-l@Lehigh.EDU
Subject: [98612] MI QRP Net
Message-ID: <05256A54.004C268C.00@notes.delphiauto.com>
Mime-Version: 1.0
Content-type: text/plain; charset=us-ascii
Content-Disposition: inline

The Michigan QRP net meets every Tuesday night at 9:00 PM Eastern time on 3.535 MHz. All hams are welcome.

Ed AB8DF

TMPS: WAS - 28 states worked. Got DE last night
DXCC - 20 entities worked. LZ, FG, V3, PT, Y0, PJ8, PJ2, 9A1,
HB9, VE3, FM, IK2, SP6, VP2E, Z32, HA7, T94, VP9, LY2, and last night J88.
SW30+ with 2 watts out using 'dead' AA batteries from my
handheld computer and 105 ft dipole and vertical loop antennas.

Date: Tue, 22 May 2001 09:53:22 -0400
From: Nils R Young <nilsbull@juno.com>
To: QRP-L@lehigh.edu
Subject: [98613] You gotta spare manual, Jose?
Message-ID: <20010522.095326.-424685.0.nilsbull@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

Gang,

Help me! I'm being sucked into the modification vortex. And I ain't got a manual.

Anybody out there have a tech manual (not owners manual) for the Yaesu FT690R six-meter multi-mode box? I've been to K5FG's site & a couple other old manual sites & found nothing. So I turn to you great gang of loonies to maybe help me out on this one. Worst case scenario, I'd be happy with just a legible schematic. Legible's the important part.

I was pleased to see a couple for sale on the web for much more 'n I paid for mine. Heh heh . . . Uh huh huh . . . Calm down, Beavis!

I got all the wires situated so I don't have to throw power supplies out the window any more. At least not for a while. Now to put together the tiniest little board I can to put a circuit inside so that when I press the key in CW mode, the radio goes into transmit. Right now you/I have to either press the PTT switch on the mic or close a contact on an external switch to go into transmit before I can start sending CW. And we all know how much CW I use. Well, ok, how much I use it now and then.

I've also been looking for one of those little power bricks that Motorola used to have that formed a complete, self-contained power amplifier block for VHF radio stuff. Almost every 2m radio (and some VHF low-band commercial radios) from about 1980 on had 'em. We used 'em on the UV3/440 modules at Drake. (It was easier 'n designing a pile of parts one for that range.)

In the meantime I've found a couple one-transistor amps for which, for some reason I'll never truly understand, I seem to have one or more transistors just for the playin' with.

I heard some guys on last night. Sounded like some kind of net. But with my puny VHF antenna system (which is really a piece of metal repair tape stuck to the side of a book case for a "sorta" 2m vertical and the loop of wire around the ceiling for a 6m antoona, I'm not much better off than a kid with two transistors and a bed spring on 40m. But there's always a subsequent pay-day & who knows how much fun I can have cussin' at PVC, once I get all my ideas together on that possibility.

So, you gotta manual for a FT690R, buddy? All I need is some spare change to get to Detroit. My mother's there. You love your mother, don'tcha buddy? Hey, you can't leave me out here on the street! (Sob!) Not at (sob) Christmas time? (Sob) C'mon, chief! I (sob) lost my pension! . . . Look, I ain't kiddin' you now. I need a drink!

73

Nils

Nils R. Bull Young -- El Gringo Errante -- La Estancia de los Guajolotes
Sonrientes
<http://w8ijn.www6.50megs.com> -- W8IJN --
<http://members.fortunecity.com/nilsbull>
In my day you had to FIGHT to have digits! Every DAY was a STRUGGLE!
--- Comrade Nikolai Sergeevich McTovarishov

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<http://dl.www.juno.com/get/tagj>.

Date: Tue, 22 May 2001 09:24:03 -0500
From: "Kanalz, Karl" <Karl.Kanalz@allegiancetelecom.com>
To: "'Jerry.Lofstead@itb.mckhboc.com'" <Jerry.Lofstead@itb.mckhboc.com>, Low Power
Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [98614] Family Radio Service & "Irradiation" of Passive Antennae
Message-ID:
<E78D8A9D6762D411B5440008C791D4AA04A49B32@dfwex03.allegiancetelecom.com>
MIME-Version: 1.0
Content-Type: text/plain

Hey Bruce,

The "bright idea" of using a passive antenna is a pretty good one, providing one's transmitter (or receiver) is in a really tight place. What everyone seems to forget (including those yuppie cellular users) is the SPACE LOSS between the r.f. source (the transmitter/cell phone/FRS h.t.) and the "input" of the passive antenna which then re-radiates the r.f. from a supposedly "better vantage point" to the outside world. And then they forget about the space loss from that passive antenna to the receiving "target".

If you are considering capacitive or inductive coupling to an antenna, be assured that although the space loss may be low (because of the short distance between the FRS handie-talkie and the passive antenna), it's still pretty high, regardless of efficiency.

Passive repeaters, with HIGH GAIN antennas have been used in the microwave world for a long time, and the same principles certainly apply to cell phone and similar near-microwave frequencies (such as FRS) -- applications where the additional 96.6 dB space loss between the source and the passive antenna "input" are acceptable, considering that communication from the "source" to the "target" would otherwise be totally impossible.

There's someone in the ARRL, by the way, who doesn't seem to understand or appreciate the fact that there is actual attenuation (loss) due to path distance versus frequency. Then again, Bruce, I don't expect everyone to understand this concept which has been in the telecommunication industry since dirt was new....

Regards,

Karl K - W8TIF
McKinney, Texas

> -----Original Message-----

> From: Lofstead, Jerry [SMTP:Jerry.Lofstead@itb.mckhboc.com]

> Sent: Tuesday, May 22, 2001 8:20 AM

> To: Low Power Amateur Radio Discussion

> Subject: RE: OT? Family Radio Service

>

> If it irradiates, does it glow in the dark or reradiate the signal?? 8-)

>
> Jerry
> W3CDE
>
> -----Original Message-----
> From: Bruce Muscolino [mailto:w6toy@erols.com]
> Sent: Tuesday, May 22, 2001 9:08 AM
> To: Low Power Amateur Radio Discussion
> Subject: Re: OT? Family Radio Service
>
>
> Ray,
>
> It seems to me that the antenna problem could be solved by using a passive
> antenna. They used to be popular with cellphone users and even hams. An
> antenna that is resonant will irradiate the signal with no electronics
> involved. This would probably get around some of the objections.
>
> 73

Date: Tue, 22 May 2001 07:15:30 -0700
From: "Doug Hendricks" <ki6ds@dph.dpol.net>
To: <qrp-l@lehigh.edu>
Subject: [98615] 10,000 QRP New Rigs Sold!!! Be Friendly, Have Fun & the TT2
Message-ID: <01c0e2c9\$a83c4580\$330b0d0a@doug.dph.dpol.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Guys, I just found out something absolutely amazing to me. Press Waterman runs the FT817 list, and I asked him how many FT817's had been sold in the US. He came back with an answer that absolutely astounded me. 8000!! No, that is not 800, but 8000 as in 8K. When you add the 2000 K2's that have been sold, those two radios have sold over 10,000 units!! Why am I amazed? Well, for several years I have thought that the number of active qrpers world wide was about 10,000, figuring about 3 to 4 thousand in the US. Now I know how tight hams are, and there is no way that every qrper bought a new FT817 or K2, so there is either a big increase of hams getting into qrp or my estimates were way off.

Vern Wright, W6MMA has developed the MP-1 specifically for the 817, and he is selling them as fast as he can produce them. I saw him sell out at Ft. Smith, he told me that they sold well over 100 of them at Dayton in the HRO booth, plus 25 or 30 at the Vendor night at FDI. These antennas also work great with the K2 and K1, or any qrp radio. They are ideal for the guy who

travels and wants to take qrp with him in a small package. Things are good in the world of qrp.

Bob Kellogg mentioned that we need to continue to be friendly and greet these new guys with open arms as we have done in the past. I agree whole heartedly. When you work one of these guys with a 817 or K2, welcome them with open arms. Be friendly, and hey, invite them to attend one of the qrp forums held around the country. Tell them about the clubs, the journals, and you might even mention qrp-1. Grin.

Have a good day, get on the air, and see if you can work a new qrper today. Oh, I heard that Jay Bromley is getting ready to start shipping Tuna Tin 2 kits. It is a great chance to build one of the great classic qrp rigs. If you need more info, send JayBob an email at w5jay@alltel.net
72, Doug

Date: Tue, 22 May 2001 20:47:12 -0700
From: "Casey L. Ray" <clray@usc.edu>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [98616] Harbor Freight Sheet Metal Fabrication Kit
Message-ID: <3B0B32C0.2025179F@usc.edu>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Just passing this info along.....

Regularly 179.99 on Sale Now for \$89.99

Cut, form, roll beads, and make perfect flanges with one bench top tool. Saves money and shop space. Comes with 1/4'', 3/8'', and 1/2'' bead mandrels; 1/16'', 1/8'', and 1/4'' flange mandrels; and one 18-1/4'' shearing mandrel.

Perfect for auto body workers: make your own wheel tubs, battery trays, dashboards, fire walls, floor pans, and other sheet metal parts and accessories. (Vise sold separately.)

Order the adjustable guide fence to make precision cuts and flanges (item 36474).

73 de Casey
AD6DI

<http://www.harborfreight.com/cpi/taf/Displayitem.taf?itemnumber=34104&cid=>

Date: Tue, 22 May 2001 10:47:02 -0500
From: "James Parsons" <res075cz@gte.net>
To: <ki6ds@dph.dpol.net>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [98617] Re: 10,000 QRP New Rigs Sold!!! Be Friendly, Have Fun & the TT2
Message-ID: <00e101c0e2d6\$7555a640\$7c640304@vz.dsl.genuity.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

What is the MP-1? Is there a page for it?

73 de Jim, K5ROV...

----- Original Message -----
From: "Doug Hendricks" <ki6ds@dph.dpol.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Sent: Tuesday, May 22, 2001 9:15 AM
Subject: 10,000 QRP New Rigs Sold!!! Be Friendly, Have Fun & the TT2

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> Vern Wright, W6MMA has developed the MP-1 specifically for the 817, and he
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> travels and wants to take qrp with him in a small package. Things are
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>
>

Date: Tue, 22 May 2001 08:52:02 -0700
From: "Bill Jones" <kd7s@psnw.com>
To: <ki6ds@dph.dpol.net>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

Subject: [98618] Re: 10,000 QRP New Rigs Sold!!! Be Friendly, Have Fun & the TT2
Message-ID: <001001c0e2d7\$25812300\$9110010a@fresno>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Two or three weeks ago our local ham club sponsored a little flea market/hamfest. Dave, AB5PC and I set up a QRP show-'n-tell table. Between the two of us we had a dozen or more rigs on display. Included was a K2, K1, DSW-20, SW40, SMK-1, a Tuna Tin Two, a NorCal 40, NC-20, Red Hot 40 and a Warbler. I put together a DX QSL display with about three dozen cards, all QRP of course. The interest our table drew was ten times the other demos, including an operational PSK-31 station. So, it's like Doug says, there is a growing interest in QRP. Let's welcome the new guys and encourage them to join the fun.

=====
Bill Jones - <><
Sanger, California
=====

----- Original Message -----

From: "Doug Hendricks" <ki6ds@dph.dpol.net>
> When you work one of these guys with a 817 or K2, welcome them
> with open arms. Be friendly, and hey, invite them to attend one of the
qrp
> forums held around the country. Tell them about the clubs, the journals,
> and you might even mention qrp-l. Grin.

Date: Tue, 22 May 2001 11:43:46 -0400
From: Bruce Muscolino <w6toy@erols.com>
To: Jerry.Lofstead@itb.mckhboc.com
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [98619] Re: OT? Family Radio Service
Message-ID: <3B0A8931.F4DDE335@erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Jerry,

Very funny. It radiates, it does not have to spell!

Date: Tue, 22 May 2001 08:52:15 -0700 (PDT)
From: agtaylor@llnl.gov
To: qrp-1@lehigh.edu
Subject: [98620] K2: Firmware 1.6 upgrade chip F/S
Message-ID: <200105221552.IAA16880@poptop.llnl.gov>
MIME-Version: 1.0
Content-Type: TEXT/plain; CHARSET=US-ASCII

With the advent of the K2's I/O card (KI02) and the latest firmware upgrade (V2), my recently purchased Firmware upgrade 1.6 becomes sorta obsolete. Actually only obsolete if one plans to add the I/O card (as I do!). So, an uninstalled, unused Firmware 1.6 mod with instructions is available F/S. The 'new' price was \$29. Price is negotiable.

It needs to find a good home. The improvements in it as compared to the previous F/W release were improvements in the memory keyer and in the ATU interface/control.

Allan K7GT

--

Allan G Taylor

agtaylor@llnl.gov

Date: Tue, 22 May 2001 11:52:20 -0400
From: Bruce Muscolino <w6toy@erols.com>
To: Karl.Kanalz@allegiancetelecom.com
Cc: Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>
Subject: [98621] Re: Family Radio Service & "Irradiation" of Passive Antennae
Message-ID: <3B0A8B34.4345586A@erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Well Karl, understanding is what it's all about. I never said you got something for free. Passive repeaters must somehow account for the loss in the transmitted signal. The antennas I was referring to were mostly mounted on car windows in very close proximity to the cell phones. I don't doubt that there was some loss in the 6 to 12 inches between antennas, but I also don't doubt

there was some gain resultant in the transmitted signal.

I don't know about the ARRL staff, you'll have to take that up with them separately!

I was simply passing on an idea that might get some limited directivity for the FRS users in a fox hunt situation. How to do it? Well, again, that depends on understanding!

73

Date: Tue, 22 May 2001 10:59:34 -0500
From: "Gene Sailsbury" <gsailsbury@mobill1.net>
To: "Low Power" <qrp-1@Lehigh.EDU>
Subject: [98622] For W8EK bad email address:
Message-ID: <004701c0e2d8\$32c5a1c0\$68c03fd8@8tracker>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Ken:

I have tried to mail you but it bounces back to me. I get your mail OK.
Please check with you ISP. This is what I get in return mail.

This server was unable to deliver your message to "<W8EK@fdt.net>".
Remote host "fdt.net" responded "550 Access denied
" to MAIL FROM:<gsailsbury@mobill1.net>
Gene KC0IKY

Date: Tue, 22 May 2001 16:08:08
From: "laura halliday" <marsgal42@hotmail.com>
To: qrp-1@lehigh.edu
Subject: [98623] Re: PSK with DSB?
Message-ID: <F12W92pkxR1CFE4MxpI00005d1a@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

Paul N2PK wrote:

>(snip...)
>The main problem is that the available software doesn't
>generate the envelope, but an envelope shaped audio sine-
>wave instead.

Write your own software. Then you can do anything you want.

One useful approach is to have the computer process baseband I/Q signals. You could have a crystal controlled LO feeding a complex mixer to down-convert 14070 +/- a couple of kHz to baseband, and then do the DSP from there. You need the I/Q signals for detection anyway, and if you generate them you avoid the mixing issues others have discussed.

There is little point in discussing PSK31 in terms of tones, or even of SSB vs. DSB. This is one where people need to go back to the basic concepts.

Laura Halliday VE7LDH "Que les nuages soient notre
Grid: CN89mg pied a terre..."
ICBM: 49 15.042 N 122 59.053 W - Hospital/Shafte

Get Your Private, Free E-mail from MSN Hotmail at <http://www.hotmail.com>.

Date: Tue, 22 May 2001 12:06:46 -0400
From: "Lofstead, Jerry" <Jerry.Lofstead@itb.mckhboc.com>
To: "'w6toy@erols.com'" <w6toy@erols.com>, Low Power Amateur Radio Discussion
<qrp-l@Lehigh.EDU>
Subject: [98624] RE: Family Radio Service & "Irradiation" of Passive Antennae
Message-ID: <078F21595FA7D411B87B00805FA728E64A47AB@atlexc02ntms.hboc.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"

On the very serious side... You can do a fox hunt with them. If you use a large can or metal container, like a half of a bucket behind them to shield the antenna so it only sees forward. A formed aluminum foil shield on cardboard would work too. when you get up close, you put the radio in a metal can and have very good directivity.. It works great on 2 Meters.

Jerry
W3CDE
Atlanta, G A

-----Original Message-----

From: Bruce Muscolino [mailto:w6toy@erols.com]

Sent: Tuesday, May 22, 2001 11:52 AM

To: Low Power Amateur Radio Discussion

Subject: Re: Family Radio Service & "Irradiation" of Passive Antennae

Well Karl, understanding is what it's all about. I never said you got something for free. Passive repeaters must somehow account for the loss in the transmitted signal. The antennas I was referring to were mostly mounted on car windows in very close proximity to the cell phones. I don't doubt that there was some loss in the 6 to 12 inches between antennas, but I also don't doubt there was some gain resultant in the transmitted signal.

I don't know about the ARRL staff, you'll have to take that up with them separately!

I was simply passing on an idea that might get some limited directivity for the FRS users in a fox hunt situation. How to do it? Well, again, that depends on understanding!

73

Date: Tue, 22 May 2001 16:23:03
From: "Brad Hernlem" <alihernlem@hotmail.com>
To: qrp-l@lehigh.edu
Subject: [98625] OT: Xtal filter/VHF scanner/image reception
Message-ID: <F1301YcEBdyFj9ZYhtB000070e4@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

Anyone know the specs on a crystal filter with markings:

crystal filter
FHA-103-4
10.7 MHz
No. 2 2
GRE

This is found in a VHF scanner that I picked up at a garbage (er "garage") sale this weekend (Realistic Patrolman Pro-9).

Also, was tuning around on the thing last night and picked up what sounded like a bunch of hams on a net (included were W6KTT and KC6UJS, etc.) although the dial read approx. 168 MHz. Could this be the "image" of some transmission on the 2 m band? This scanner covers the upper VHF above 148 MHz.

Brad

Get your FREE download of MSN Explorer at <http://explorer.msn.com>

Date: Tue, 22 May 2001 12:24:12 -0400
From: "Mark J. Dulcey" <mark@buttery.org>
To: ki6ds@dph.dpol.net
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [98626] Re: 10,000 QRP New Rigs Sold!!! Be Friendly, Have Fun & the TT2
Message-ID: <3B0A92AC.AD67EB23@buttery.org>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Doug Hendricks wrote:

>
> Guys, I just found out something absolutely amazing to me. Press Waterman
> runs the FT817 list, and I asked him how many FT817's had been sold in the
> US. He came back with an answer that absolutely astounded me. 8000!! No,
> that is not 800, but 8000 as in 8K. When you add the 2000 K2's that have
> been sold, those two radios have sold over 10,000 units!! Why am I amazed?
> Well, for several years I have thought that the number of active qrpers
> world wide was about 10,000, figuring about 3 to 4 thousand in the US. Now
> I know how tight hams are, and there is no way that every qrp'er bought a new
> FT817 or K2, so there is either a big increase of hams getting into qrp or
> my estimates were way off.

Some percentage of those were surely shipped out of the US, since ham gear tends to be less expensive here than in most of the world. (Oddly enough, Japanese rigs are often less expensive here than in their home market!) Still, it's an impressive number. And then there are the 700+ K1s, the Small Wonders, the NorCals, the MFJ rigs, the TenTec kits... (insert your favorite QRP rig here), plus a few almost-QRP radios like the SGC transceiver. So there are clearly lots of people out there operating QRP.

Also, quoting the latest issue of QST, from the ARRL Sweepstakes results (CW): "One surprising development was the fact that Single Operator QRP

entries outnumbered the Single Operator High Power entries 215 to 213." Though it does go on to say that "Single Operator Low Power [i.e., 100W] remains the most popular category with 656 entries", so we're not the majority yet.

I wonder what percentage of FT-817s are being used as VHF and/or UHF all-mode rigs, with little or no HF operation? QRP operation on those bands is commonplace, after all; just look at all those HTs, very few of which are capable of more than 5W output. Some of them are even used for simplex once in a while.

Date: Tue, 22 May 2001 12:22:25 -0400
From: Bruce Muscolino <w6toy@erols.com>
To: alihernlem@hotmail.com
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [98627] Re: OT: Xtal filter/VHF scanner/image reception
Message-ID: <3B0A9240.3B007F38@erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Brad,

What does it have to do with the crystal filter? Clearly it has a response to the "other" image. It sounds like yours does have this response. VHF scanners are not made bulletproof, that would cost too much money! The probability that a user would have a problem is slight!

73

Date: Tue, 22 May 2001 17:20:26
From: "Brad Hernlem" <alihernlem@hotmail.com>
To: qrp-l@lehigh.edu
Subject: [98628] Re: OT: Xtal filter/VHF scanner/image reception
Message-ID: <F255JHPeEMjbEAIyqCl00005899@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

>Brad,

>

>What does it have to do with the crystal filter?

Nothing to do with the crystal filter. That is a separate question. I am

surveying this acquisition for potential applications. I am curious if anyone is familiar with that filter and could tell me its bandwidth, termination impedance and other characteristics.

>Clearly it has a response to
>the "other" image. It sounds like yours does have this response. VHF
>scanners are not made bulletproof, that would cost too much money! The
>probability that a user would have a problem is slight!

I had been thinking of trying to shift the receiver down for 2 m reception (low end begins at 148 MHz) but, hey, if it has no image rejection for 2 m signals, what's the bother, eh?

Brad

Get your FREE download of MSN Explorer at <http://explorer.msn.com>

Date: Tue, 22 May 2001 10:43:25 -0700
From: Eric Swartz WA6HHQ - Elecraft <eric@elecraft.com>
To: Elecraft mail list <elecraft@qth.net>, QRP-L <qrp-l@lehigh.edu>, GQRP <gqrp@egroups.com>
Subject: [98629] New Rig RX Comparison Data
Message-ID: <3B0AA53D.B296074B@elecraft.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I've updated our Rig Comparison Page with new data on the Ten-Tec Pegasus from the June QST review and new ARRL data for closer in (5 kHz) spacing tests of top rigs for Third Order Dynamic Range (intermod) and Blocking Dynamic Range (desense).

(As you move the offending test signals closer to your RX frequency the true strengths of a receiver begin to stand out.)

The new data can be found at:
<http://www.elecraft.com> (Follow the link on the left titled 'Rig Comparisons'.)

73, Eric WA6HHQ

Date: Tue, 22 May 2001 10:52:32 -0700
From: Eric Swartz WA6HHQ - Elecraft <eric@elecraft.com>
To: Elecraft mail list <elecraft@qth.net>, QRP-L <qrp-l@lehigh.edu>, GQRP
<gqrp@egroups.com>
Subject: [98630] New Rig RX Comparison Data - Correction
Message-ID: <3B0AA760.F8004209@elecraft.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Sorry - I meant to say 'I've updated our Rig Comparison Page with new data on the Ten-Tec JUPITER.'

73, Eric

Date: Tue, 22 May 2001 11:42:39 -0600
From: "T.W." <wb5qyt@abq.com>
To: <qrp-l@lehigh.edu>
Subject: [98631] KC keyer info??
Message-ID: <MABBIKAEJKMHLIDDGMCKCEIECJAA.wb5qyt@abq.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Gang,

Who needed a copy of the KC keyer info? I had it, but the hand is quicker than the eye! Have a copy ready to send you....72, Tom WB5QYT...."Have spud will travel!"

Date: Tue, 22 May 2001 13:58:23 -0400
From: "Lofstead, Jerry" <Jerry.Lofstead@itb.mckhboc.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [98632] RE: OT: Xtal filter/VHF scanner/image reception
Message-ID: <078F21595FA7D411B87B00805FA728E64A47AC@atlexc02ntms.hboc.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

Did you do a web search for the part number??

Jerry

-----Original Message-----

From: Brad Hernlem [mailto:alihernlem@hotmail.com]
Sent: Tuesday, May 22, 2001 1:20 PM
To: Low Power Amateur Radio Discussion
Subject: Re: OT: Xtal filter/VHF scanner/image reception

>Brad,

>

>What does it have to do with the crystal filter?

Nothing to do with the crystal filter. That is a separate question. I am surveying this acquisition for potential applications. I am curious if anyone is familiar with that filter and could tell me its bandwidth, termination impedance and other characteristics.

>Clearly it has a response to

>the "other" image. It sounds like yours does have this response. VHF

>scanners are not made bulletproof, that would cost too much money! The

>probability that a user would have a problem is slight!

I had been thinking of trying to shift the receiver down for 2 m reception (low end begins at 148 MHz) but, hey, if it has no image rejection for 2 m signals, what's the bother, eh?

Brad

Get your FREE download of MSN Explorer at <http://explorer.msn.com>

Date: Tue, 22 May 2001 11:02:36 -0700

From: Phil Wheeler <w7ox@earthlink.net>

To: Eric Swartz WA6HHQ - Elecraft <eric@elecraft.com>

Cc: Elecraft mail list <elecraft@qth.net>, QRP-L <qrp-l@lehigh.edu>, GQRP <gqrp@egroups.com>

Subject: [98633] Re: [Elecraft] New Rig RX Comparison Data

Message-ID: <3B0AA9BC.3469748A@earthlink.net>

MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

Eric Swartz WA6HHQ - Elecraft wrote:

>
> I've updated our Rig Comparison Page with new data on the Ten-Tec Pegasus from
> the June QST review and new ARRL data for closer in (5 kHz) spacing tests of top
> rigs for Third Order Dynamic Range (intermod) and Blocking Dynamic Range
> (desense).
>

Eric,

Could you clarify the reference to "top rigs"? I did find the new table, just don't understand what "top" means .. vs. "selected".

73, Phil W7OX

Date: Tue, 22 May 2001 11:09:45 -0700
From: Eric Swartz WA6HHQ - Elecraft <eric@elecraft.com>
To: Phil Wheeler <w7ox@earthlink.net>
Cc: Elecraft mail list <elecraft@qth.net>, QRP-L <qrp-l@lehigh.edu>, GQRP <gqrp@egroups.com>
Subject: [98634] Re: [Elecraft] New Rig RX Comparison Data
Message-ID: <3B0AAB69.15AD9D99@elecraft.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Top = High Performance RX.

73, Eric

====

Phil Wheeler wrote:

> Could you clarify the reference to "top rigs"? I did find the new
> table, just don't understand what "top" means .. vs. "selected".

Date: Tue, 22 May 2001 11:31:02 -0700
From: Eric Swartz WA6HHQ - Elecraft <eric@elecraft.com>
To: Phil Wheeler <w7ox@earthlink.net>
Cc: Elecraft mail list <elecraft@qth.net>, QRP-L <qrp-l@lehigh.edu>, GQRP <gqrp@egroups.com>
Subject: [98635] Re: [Elecraft] New Rig RX Comparison Data
Message-ID: <3B0AB066.655DF54E@elecraft.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

The table was prepared separately by Michael Tracey of the ARRL lab in an email from him to another reflector. It is not meant to be an exact extension of our table. His table also included a few weaker performers (IC-706, IC-756 and TS-570) for comparison.

Both IMDDR3 and BDR are crucial RX parameters. I believe Mike ranked them based upon IMDDR3 first, but usually they will rank almost the same in BDR. In general, as you move the offending signals closer to the rig's RX frequency these two numbers will reduce. For most multi conversion RX rigs their dynamic range degrades as soon as the offending signals get inside their relatively wide 1st IF roofing filters (anywhere from 10 to 25 kHz wide) and overload the following high gain stages..

What is really impressive is that according to Michael, the K2 is -still- at an IMDDR3 of 116 dB at ONE kHz spacing - better than most top rigs at 5 kHz.

73, Eric WA6HHQ

=====

Phil Wheeler wrote:

> But what parameter is used to qualify? From the table I thought it might
> be BDR, since that is included in the table as the second column.
>
> The other odd thing is that the TS-570D is in the second table but not
> the first. Ditto for a couple of the Icoms, I think. Guess I need to
> take the link to the ARRL source.

Date: Tue, 22 May 2001 14:36:08 -5

From: "Bill Kelsey - N8ET - Kanga US" <kanga@bright.net>

To: qrp-l@Lehigh.EDU

Subject: [98636] FDIM Paper and Pictures - Tools & Test Equipment

Message-ID: <20010522183405.0WYW23469.invictus@n8et>

MIME-Version: 1.0

Content-type: text/plain; charset=US-ASCII

Content-transfer-encoding: 7BIT

I did not have my pictures (overheads) available in time for publication in the FDIM proceedings, so I have put the paper and the photos (in color) on my web site. There is no link from my home page - you need to go directly to:

<http://www.bright.net/~kanga/fdim/>

Still recovering from Dayton....

73 - Bill - N8ET

Kanga US

kanga@mail.bright.net
http://www.bright.net/~kanga/
419-423-4604

Date: Tue, 22 May 2001 14:12:14 -0500
From: "Jim" <sunwatt@starband.net>
To: "K2-L" <elecrafft@qth.net>, "Timmy@Juno" <timmyhale@juno.com>, "QRP-L" <qrp-L@Lehigh.edu>, "MixW-L" <mixw@yahoogroups.com>,
"Michelle@home" <mkowale754@earthlink.net>, "Lori" <lslane@odomelliott.com>,
"MaryBeedle" <mabeedle@qwest.net>,
Subject: [98637] New virus today
Message-ID: <006f01c0e2f3\$29ace1a0\$9a354794@computer>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I've seen many of the "popular" viruses around. If your on any of the various e-lists its only a matter of time before one gets through their filters and into your inbox.

This time my InoculateIT anti virus didnt detect it. I had just updated last week, so this one may be very new. I felt it was suspicious, so did another virus update, saved the attachment to my desktop and scanned it with InoculateIT.

Bang, infection detected !!

The message in the email said

"Mawanella is one of the Sri Lanka's Muslim Village"

I deleted it and deleted my deleted folder to be extra safe.

Never open any attachment when you dont know it came from. And even if you know the sender its safe (I think) to save the attachment, and use your checker to scan it.

Maybe one day there will be a virus that even saveing it infects you.

good luck

Jim - KJ5TF

Date: Tue, 22 May 2001 14:36:58 -0500
From: "Faith III, Don C" <FaithD@mail01.dnr.state.wi.us>
To: "'qrp-l@Lehigh.EDU'" <qrp-l@Lehigh.EDU>
Subject: [98638] OT: New / Improved UHF antenna design
Message-ID: <E90EEF51A894D411963F0006298F2BF701D278FD@PRODMLIN04>
MIME-Version: 1.0
Content-Type: text/plain

I just saw this post on a computer site (Ars Technica) and thought it might be of interest to the group. It is a recent EE Times article:

<http://www.eetimes.com/story/0EG20010517S0077>

73, 72 de N9WR, Don C. Faith III

Date: 22 May 2001 13:01:38 -0700
From: Mike Pupeza <mpupeza@altavista.com>
To: QRP-L@Lehigh.EDU
Subject: [98639] Epiphyte 3 Filter FOUND?
Message-ID: <20010522200138.4647.cpmata@c012.sfo.cp.net>
Content-Type: text/plain
Content-Disposition: inline
Mime-Version: 1.0

Hi Guys;
Looking for a MuRata SSB filter for your Epiphyte 3?
Well, I was at Dayton and have some Good News, and
Bad!
Good News!
I found that Surplus Sales of Nebraska (
<http://www.surplussales.com>) has LOTS of CFS455J
Filters for \$7 each (10-24 are \$6, and 25+ are \$5.50)

Specs are 2K in/out, 6dB @ 3kHz, 70dB @ 9kHz.

Bad News!
They are spec'ed a little wider than we would like for
SSB.
They DON'T fit the board by dropping right in the holes,
this filter appears to be the same width, but is about 3/8
inch longer.
While the 2 holes at one end line up and could be
soldered in, the others don't. HOWEVER, by bending
the other leads with some wire extensions, the filter

WILL fit, and sit on the board at a slight upward angle without sitting up too high.

I haven't tried mine yet, and still hope that Peter at JAB Electronics in U.K. will come through, but will install this one if he doesn't.

So, if you want to take your chances, and are willing to fiddle, this may be the answer, and the price is not too bad!

Good luck! But don't dump on me if it don't work! This is for 'informational' use only!

73, 73
Mike VE3EQP

Find the best deals on the web at AltaVista Shopping!
<http://www.shopping.altavista.com>

Date: Tue, 22 May 2001 14:25:07 -0600 (MDT)
From: "Karl F. Larsen" <k5di@zianet.com>
To: Eric Swartz WA6HHQ - Elecraft <eric@elecraft.com>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [98640] Re: New Rig RX Comparison Data - Correction
Message-ID: <Pine.LNX.4.33.0105221421510.2602-100000@cannac.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

The Pegasus and Jupiter from Ten Tec have almost exactly the same receivers. They both use a 12 KHz third if stage of Digital Signal Processor based filtering. If the results from ARRL are differnet it might be interesting to find out why...

On Tue, 22 May 2001, Eric Swartz WA6HHQ - Elecraft wrote:

> Sorry - I meant to say 'I've updated our Rig Comparison Page with new data on
> the Ten-Tec JUPITER.'

>

> 73, Eric

>

--

Yours Truly,

- Karl F. Larsen, k5di@arrl.net (505) 524-3303 -

Date: Tue, 22 May 2001 20:15:21 +0100
From: Larry Cahoon <lejek@erols.com>
To: buydens@duke.usask.ca, qrp-1@lehigh.edu
Subject: [98641] Re: OT? Family Radio Service
Message-ID: <5.0.2.1.0.20010522201111.009efc60@pop.erols.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

I don't know the rules in VE land - in the US I believe the antenna must be a part of the radio and cannot be removable. As for the kids you can do the same thing on 2 meters. Just don't let the kid transmit. You can give them a scanner tuned to the right freq. and not have to worry about it. At our last field day one member put together a very low power beacon for 2 meters. The kids (not ham, and ham alike) had a real blast trying to find the thing.

73 de Larry.....WD3P in MD
<http://www.qsl.net/wd3p/>

>Is it possible? easy? legal? etc. to put a directional antenna on an
>FRS radio? I was thinking it would be a way for kids to have a fox-hunt,
>find out about radio location without needing a ham license. Perhaps they
>might get a taste for ham...

Date: Tue, 22 May 2001 16:29:33 -0400
From: "Howard Kraus" <K2UD@adelphia.net>
To: <ki6ds@dph.dpol.net>
Cc: <qrp-1@Lehigh.EDU>
Subject: [98642] Re: 10,000 QRP New Rigs Sold!!! Be Friendly, Have Fun & the TT2
Message-ID: <001901c0e2fd\$ece04d60\$3b613018@buf.adelphia.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi Doug,

You are right. More than just QRPers are purchasing FT-817s. I ran into at least 5 of them from home who purchased them at Dayton, they know 25 others

who have them, and these guys aren't mainstream QRPers!

Elecraft and Yaesu are doing much, though it may not be their primary goal, to bring more folks into the wonderful world of QRPdom. Isn't life good?

72

Howard Kraus, K2UD

Date: Tue, 22 May 2001 16:59:58 EDT
From: W8IRQ@aol.com
To: qrp-1@lehigh.edu
Subject: [98643] FS St. Louis Vertical
Message-ID: <22.16712c9d.283c2d4e@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

I have the SD-20 pole, and the W6MMA's 80 meter coil and mount, never used, \$ 100.00, Nick, W8IRQ

Date: Tue, 22 May 2001 21:17:08 -0000
From: "Delbert Long" <ad6we@hotmail.com>
To: qrp-1@Lehigh.EDU
Subject: [98644] crystals
Message-ID: <F8gjHXwKHvvo3DjFbUc00001522@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

I just called a local company and asked about crystal prices...one 10.106 mhz crystal in hc-6 holder, 50PPM tolerance, 30pF load capacitance would be 15 bucks. If I order 100, they would cost five bucks each...order more, get a better deal. They could make any frequency I ask for...how much interest might there be out there?

Delbert Long, AD6WE
2111 Cheyenne Way Unit 9
Fullerton, CA 92833-4912
Grid Square DM13av

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Date: Tue, 22 May 2001 16:22:13 -0500
From: "Mitchell, Harvey" <Harvey.Mitchell@enron.com>
To: "QRP-L (E-mail)" <qrp-l@lehigh.edu>
Subject: [98645] Warbler to 30 meters?
Message-ID: <11F12D1F27A2714A8007E84656D5BC0C6E418A@NAHOU-MSMBX03V.corp.enron.com>
content-class: urn:content-classes:message
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: quoted-printable

I seem to recall about a week or so ago a post about a parts kit for the modification to put the Warbler on 30 meters. My memory is failing fast, but wasn't someone out there going to start marketing the parts kit. There is not much 80 meter PSK activity here, but 30 meters is hopping, so I'd really like to make the switch. Was I dreaming (does happen), or will the parts kit become available to the masses?

Thanks & 72,

Harvey Mitchell, K5YU
Seabrook, TX

Date: Tue, 22 May 2001 17:32:35 -0400
From: Tom & Roxanne <zikot@erie.net>
To: Homebrew <homebrew@qth.net>, QRPL <qrp-l@Lehigh.EDU>
Subject: [98646] Schematic Wanted
Message-ID: <5.0.2.1.0.20010522173033.00a678d0@erie.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

Does anyone have a schematic for a Grid Dip Oscillator (GDO) lying around that they can send to me as a attachment or point me to a web page URL?

I saw one on a web site a long time ago but I never book marked it, BOO HISS!

Tnx!

73's es gud DX!

Tom & Roxanne
WA1VAI
Erie, PA.

Date: Tue, 22 May 2001 21:47:11
From: "laura halliday" <marsgal42@hotmail.com>
To: qrp-l@lehigh.edu
Subject: [98647] Re: Another PSK31 question (analog mode)
Message-ID: <F268NuQuN6tdqVvPdLF000051ef@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

John N3AAZ wrote:

>... ** from a radio transceiver standpoint ** AND ** PC sound card
>standpoint ** . . . PSK31 is an analog mode.

At some point all modes are analogue, because they are transmitted with a continuum of signals. However, digital modes are defined, generated and detected as discrete steps, even though the modulation that results must be transmitted by analogue means.

You may use any definition you wish, but if you stick to generally accepted ones you will find it a lot easier to talk to people. It's not like PSK31 is open to debate on this one, either: it's digital.

Laura Halliday VE7LDH "Que les nuages soient notre
Grid: CN89mg pied a terre..."
ICBM: 49 15.042 N 122 59.053 W - Hospital/Shafte

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Date: Tue, 22 May 2001 15:43:48 -0600
From: jaywa5whn@juno.com
To: qrp-l@lehigh.edu
Subject: [98648] Ft. Tuthill
Message-ID: <20010522.154358.-596749.0.jaywa5whn@juno.com>
MIME-Version: 1.0
Content-Type: text/plain

Content-Transfer-Encoding: 7bit

FYI, I just called to reconfirm my hotel reservation for Ft. Tuthill July 27 - 29, 2001. After talking to the kind person @ the motel, she had told me that their rooms are all booked up for that weekend, in fact, she does not think there are many rooms left in town. {Peak tourist season plus 7,000+ Hams converge @ Ft. Tuthill.}

We are approximately 2 months away from the Ft. Tuthill event. It maybe too late for motels/hotels, at least the cheaper rooms. Remember, this year there is a \$1.00/person/weekend charge for the event entrance fee and those of you who are dry camping {tents}, no showers this year. It's time to get out the tarps and dark water bags and build a water locker in the pine trees. ;-)

email arcathill@aol.com if you need more info about Ft. Tuthill.

Talk to most of you during the upcoming ARRL Field Day from grid square DM66, somewhere near Cuba, NM.

72...Jay, WA5WHN DM65qd

Albuquerque, NM USA

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Date: Tue, 22 May 2001 17:44:23 -0500

From: "Jay Bromley" <w5jay@alltel.net>

To: <qrp-l@Lehigh.EDU>

Subject: [98649] JUPITER Re: New Rig RX Comparison Data - Correction

Message-ID: <01bf01c0e310\$ffaec6c0\$239b66a6@alltel.net>

MIME-Version: 1.0

Content-Type: text/plain;

charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

Gang HI,

I am glad Eric updated the "Elecraft Rig Comparison" page to include the Ten-Tec Jupiter. There has been a few comments on the Jupiter here on QRP-L, but not a lot. I had the opportunity to go over to Bill's, N6CHA,

house last Friday night and help Bill unbox a brand new Ten Tec Jupiter. I also got to hook it up and make the first contact with it, so for those looking at the Ten-Tec Jupiter take my comments below with the grain of salt.

First off the Jupiter is a sharp looking rig and gone are those cheap knob inserts that have a tendency to fall off. Also the red dot crate paper insert that needed to be painted on the Ten-Tec logo is now black. I think the Jupiter is one of the nicest looking Ten Tec rigs to come down the Tennessee pike in a while. Although I miss a nice big analog meter, the Jupiter like most new rigs have done away with analog meters to save money. The meters are bar-graph types on the LCD display.

The Jupiter being a Pegasus with knobs and is a very lite DSP rig with a lot of air inside the cabinet. Even though the Jupiter is a large rig compared to dedicated QRP rigs. The Jupiter would certainly make a great Field Day Rig, QRP Home station, etc, but not a very good back packing rig, grin. It would have been nice if Ten Tec had included a carrying handle for such adventures. I doubt you will see many Jupiter's on the trails though, grin. However since I am mainly a HF operator I would not hesitate to replace my IC-706MIIG in the Tahoe with a Jupiter. The Jupiter would not be a great mobile rig in a small vehicle and I am sure the designers were not thinking of the Jupiter being a mobile rig at all.

The only cosmetic gripe I can make (besides not having a analog meter) is the main tuning knob. The one I got to use was a little off center like the first K2s and like the knob on my current mobile IC-706MIIG. Most people won't notice this, but the Jupiter is such a nice built rig it could sure use a better built main tuning knob. A counterweighted machined knob would be a super here. Because the knob is light, giving it a spin doesn't go very far, oh well that's what the finger hole is for. Maybe that's why Ten-Tec included a ton of tuning rate settings. I don't think you will have a want here, a tuners delight, even without a counterweighted knob!

OK enough of the cosmetic wish list, how does the Jupiter perform. GREAT! Upon power up is a neat logo of a Archer, "Jupiter" title, and the serial number. The next thing is a screen full of neat stuff, frequency displays (BIG both VFOs), band-scope, bar-graph meters, etc. The first thing I notice was this rig sounds nice. Yes on strong signals you hear the typical DSP clicking off to the side just like on the TS-870. But even with the internal speaker the Jupiter is one of the nicest sounding rigs I have ever used! The Jupiter has very great SSB quality on both RX and TX. You can change the SSB TX audio from narrow band DX chasing style to LoHifi SSB rag chewing style. If they could update the TX SSB audio to go down to 50 to 100 hz they would be ahead of with the LoHiFi rice burners.

The Jupiter was great on CW for a pure DSP rig. The wider filter settings reminded me of a Corsair using a 1.5kHz filter. I like using the wider

settings while monitoring the bands because I can hear people come and go from the QRP frequencies without fighting the knob all the time (Hi K7FD, grin). My host Mr. Bill, N6CHA, always gets a big kick out of me working QRPers with his rigs so he was pushing me to make a contact. So we get his Bencher out and plug it into the Jupiter. Neat the Jupiter has a key jack in the front, but darn the key is backwards. No problem I am sure it can be change via the Jupiter menu, NOT. I got the manual out and looked for a reverse paddle menu, but I couldn't find one. So another add to the "Jupiter Wish list". Since the rig can be updated via the internet like the Pegasus I am sure this slight oversight will be corrected on later software versions.

Well the quick fix was to turn the key around and that's what I did. Going to QRP levels was very easy by punching the power button and turning the knob down to 1%. Yes the power meter was in % and not watts. No problem here, but another good place for software tweaks. It would be neat if they could measure below 1 watt. No sure how low the Jupiter can go, but I will be glad to take my WM-2 over for another run if anyone is interested.

OK now we were set for a contact and remember we were listening in the wide filter setting on 14.060. KD6SX pops up on 14.061 and with a twist of the bandwidth knob I changed the filter setting to 300hz and zeroed KD6SX, George, in Oroville, Ca. 579s were passed around and even with the 300hz filter the rig had great audio coming from it. I hate to say this, but even better than my TS-870 using its 300hz setting! Of coarse no ringing from the DSP Jupiter like on the crystal filter rigs. I hope later firmware will include narrower filter settings than 300hz on the Jupiter. This is how you can make up ground on weaker RX blocking specs DSP IF rigs have. The TS-870 can go down to 50hz for reference and with the attenuator can almost be as effective as a full filtered rig like a TS-950SDX.

The break-in on the Jupiter is typical Ten-Tec quality. GREAT!! For a 100 watt class rig that can be turn down to QRP levels there will be little competition here on full break-in. It is better than my TS-870 (using Headphones) and slightly better then the TS-950 using a C-mos III keyer. NO clicks in the headphones although I could hear what appeared to be a reed relay sound coming from the rig. This might be for amplifier keying and might be modified off by cutting the appropriate component like on the Corsair. This would be another great firmware tweak if it is really a amplifier relay. The QRP rigs have really spoiled us on great break-in, but the Jupiter is one of the best I have used in the "100 watt" category. Not sure what keyer emulation mode the Jupiter uses, but for a "Mode B Man" it was very nice!

After my contact with KD6SX my host Bill, N6CHA, noticed that the S-meter looked very realistic. Most signals were around S-5 to S-9. Later in the play session I punch up the RF gain button and notice it was set to 75 %. I moved it up to 100% and BOOOM the S-meter was cooking with 20 to 30 over S-9

signals. So much for a tight S-meter, hihi. Bill then realized that my QRPp contact was made with less than optimum sensitivity! This kind of reaction always tickles me about QRP contacts.

I forgot to mention Bill's antenna is a 20 meter dipole fed with ladder line using a Johnson matchbox. Since the Jupiter has more air inside the rig than components it is a real shame that Ten Tec doesn't include a internal tuner with this rig. I know Ten-Tec's PAs are very SWR forgiving, but a internal tuner would added a lot of versatility to this rig. This is one of those Ten-Tec philosophies like they use to have about the AM mode, so maybe one day they will change their minds on internal tuners being use in TT rigs.

One Ten Tec philosophies that seems to be gone is the mandatory use of a TenTec supply or a mobile cable with a Ten Tec circuit breaker. No mention of this in the manual that I saw on my brief visit. They included the power cable (which we used on a Astron supply) and also a spare automotive type fuse.

One last wish on the TT Jupiter, would be to make the band-scope real time. It would be a first in this price class to do so. The Jupiter does update the band-scope as you tune the knob out of the band-scope's range. Gezz, we sure are asking a lot from a \$1100 rig these days, grin. My host Bill grew up on old National receivers. We both look at the Jupiter and talked about how far we have come in performance vs. the dollar amount to get there.

Since ARRL did a product review of the Jupiter in the last issue of QST and is also on the ARRL web-site I would direct you there for more information on the Jupiter. Also at the Elecraft "Rig Comparison Site" at <http://www.elecraft.com>. The reason I posted my impressions of the Jupiter here on QRP-L is the give real world experiences between a few of the rigs I have used and compared the Jupiter. A lot of the times in reviews there is no mention of break-in, keyer emulation, audio quality, cosmetics, ease of use, just specs and measurements. This was not to be the "End-All" review, just one man's impressions that doesn't cost anything. I only got to use the rig one night and was very impressed with the Jupiter's bang to the buck ratio.

In summary:

If I wanted to build the ultimate CW QRP rig that has low current consumption it "STILL" would be the Elecraft K2.

If I wanted the ultimate multimode, HF/VHF/UHF rig that you can carry in your trench coat <g> it would be the Yaesu FT-817. Remember this rig needs a CW filter if you are going to use the CW mode!

If I wanted to have the ultimate multimode, all band HF, 100 watt rig that can be use at QRP levels, that doesn't need any options except a microphone,

that is around the \$1000 range and would mainly be used as a home station it would be the Ten-Tec Jupiter! Right now for me it gets the "Most-Bang-For-The-Buck" award!

Every rig has "warts" and "roses", sure is fun to try to smell all of them, grin!!

Now back to the kitting the TT2s

73 de jay..

----- Original Message -----

From: "Eric Swartz WA6HHQ - Elecraft" <eric@elecraft.com>

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Sent: Tuesday, May 22, 2001 12:52 PM

Subject: New Rig RX Comparison Data - Correction

> Sorry - I meant to say 'I've updated our Rig Comparison Page with new data on

> the Ten-Tec JUPITER.'

>

> 73, Eric

>

End of QRP-L Digest 2197
